REMARKS

Claims 1-4 and 8-15 are pending in this application. Claim 1 is independent.

The present invention provides a metal sheet with an anticorrosive coating formed from an anticorrosive paint containing metallic zinc powder and at least one kind of metal salt rust inhibitor, where the metal salt is a salt of a metal that is more base than zinc.

Corrosion prevention by zinc has long been known, and metal salt rust inhibitors are also known. Specification at page 4, lines 4-6.

However, the present inventors are the first to find that a marked anticorrosive effect is produced by the **combination** of zinc powder with a metal salt rust inhibitor, where the metal salt is a salt of the metal which is more base than zinc. Specification at page 4, lines 6-10.

When a solution is formed from a combination of zinc powder with a metal salt rust inhibitor whose metal is less base than zinc, ions the metal of the rust inhibitor deposit in place of zinc. Thus, zinc is ionized in place of the metal of the rust inhibitor. This promotes corrosion of the metal sheet.

As discussed in the specification at page 4, lines 10-12, the mechanism of the anticorrosive effect of the present invention is not well known. However, according to Applicants' present understanding, when pH is too high or too low, the metal salt rust inhibitor of the present invention dissolves to make the pH more neutral whereby zinc salts having a protective effect against corrosion are generated.

Claims 1-4, 8 and 11-15 are rejected under 35 U.S.C. § 103(a) over EP 0722933 A1 ("Shinohara") in view of U.S. Patent No. 4,294,808 ("Wasel-Nielen"). Claim 9 is rejected under 35 U.S.C. § 103(a) over Shinohara in view of Wasel-Nielen and further in view of U.S. Patent No. 4,040,842 ("Mekishima"). Claim 10 is rejected under 35 U.S.C. § 103(a) over Shinohara in view of Wasel-Nielen and further in view of U.S. Patent No. 6,117,251 ("Rivera").

Any prima facie case of obviousness based on the cited prior art is rebutted by the significant improvement in corrosion resistance that is achieved by the present invention by the synergistic combination of zinc powder and metal salt rust inhibitor. The attached Declaration Under 37 C.F.R. § 1.132 shows that the paint of the present invention combining zinc and metal salt rust inhibitor provides a significant synergistic reduction in corrosion relative to conventional zinc rich paint containing zinc but no metal salt rust inhibitor, and relative to conventional paint containing metal salt rust inhibitor but no zinc powder.

Because the cited prior art fails to suggest the significant improvement in corrosion resistance that is achieved by the present invention with a combination of zinc powder and the metal salt rust inhibitor, any *prima facie* case for the obviousness of independent Claim 1 is rebutted. Because the cited prior art fails to have rendered obvious the claimed invention, the prior art rejections should be withdrawn.

In view of the foregoing amendments and remarks, Applicants respectfully submit that the application is in condition for allowance. Applicants respectfully request favorable consideration and prompt allowance of the application.

Should the Examiner believe that anything further is necessary in order to place the application in even better condition for allowance, the Examiner is invited to contact Applicants' undersigned attorney at the telephone number listed below.

Respectfully submitted,

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Attachment:

Declaration Under 37 C.F.R. § 1.132

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